

CAMP CREEK



DRAINAGE IMPROVEMENT PROJECT

Community Open House and Meeting

April 29, 2014



Meeting Agenda

- ❖ Brief presentation of proposed project
- ❖ Questions, comments and discussion
- ❖ Adjourn at 7:30 p.m.

Meeting Ground Rules

Adopted October 22, 2013

We will:

- Say what we think
- Listen with respect to the opinions and beliefs of others
- Be open to compromise. We will advocate for what's most important to us and accept what we can live with, even though it may not be our first choice
- Defer our questions until after project team members have completed their presentation

Planning Phase Purpose

Thoughtfully plan solutions that:

- Protect the corridor from flooding and erosion
- Improve public safety
- Are technically sound
- Are responsive to community needs and values
- Are sensitive to special characteristics of Garden of the Gods Park and Rock Ledge Ranch Historic Site



Decision Process

September – October 2013

Community: Identify community issues, concerns and priorities

November – December 2013

Project Team: Develop design concepts

December 12, 2013

Community: Review and respond to design concepts

December 2013 – February 2014

Project Team: Develop alternatives

February 25, 2014

Community: Review and respond to alternatives

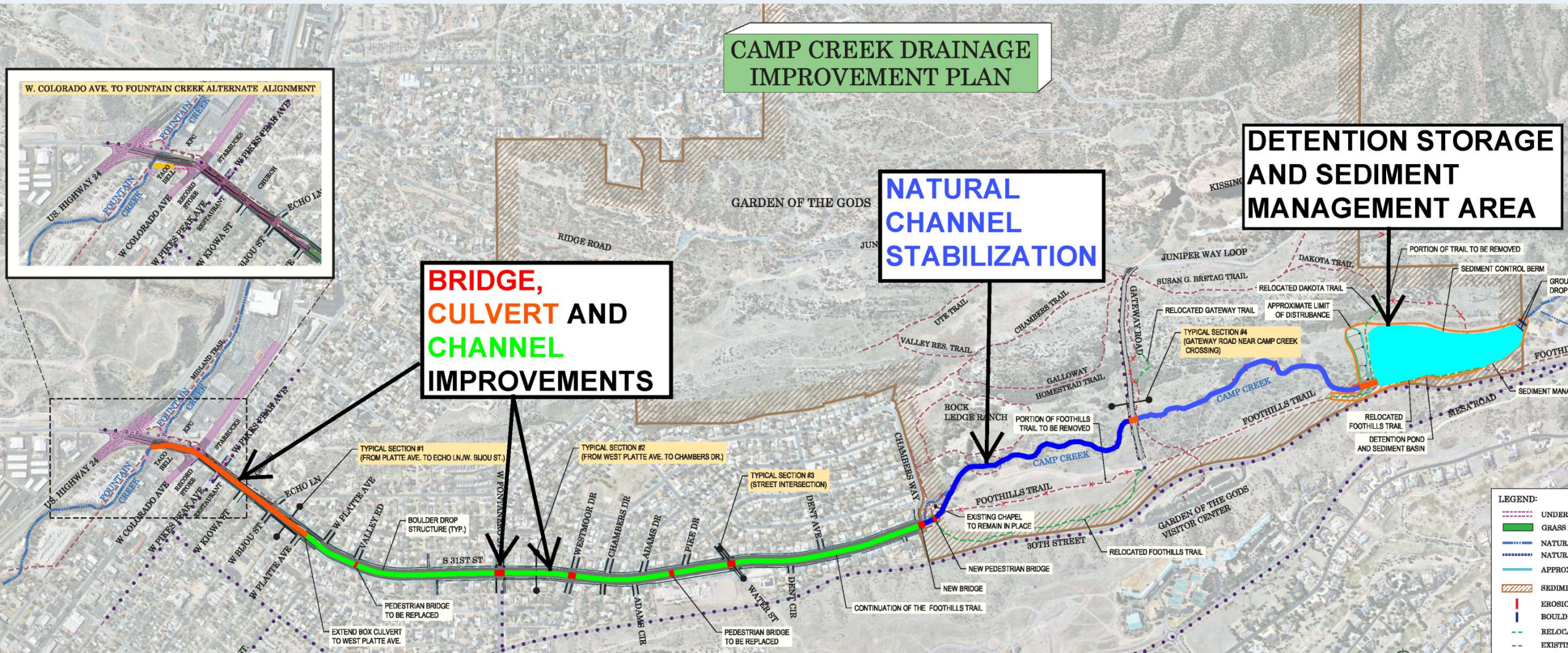
February – March 2014

Project Team: Identify and refine preferred alternative

April 2014

Community: Review preferred alternative

Proposed Project Key Elements



The Proposed Project Will...

- ❖ Manage erosion and sedimentation through Garden of the Gods
- ❖ Improve traffic safety and reduce flood risks associated with Gateway Road
- ❖ Reduce the risk of flooding
- ❖ Improve emergency access during large flood events
- ❖ Remove residential and commercial properties from the 100-year flood plain
- ❖ Improve 31st Street channel aesthetics and connect Foothills Trail to Fountain Creek



Garden of the Gods and Rock Ledge Ranch Project Elements

Some things we learned from community input:

- Management of Sediment is important
- Detention north of Gateway Road and at Rock Ledge Ranch parking areas are not favored options
- Gateway Road needs improvement
- The cottonwood and apricot trees along Gateway Road are valued
- Garden of the Gods and Rock Ledge Ranch must be protected
- Cultural resources in the area are important

NATURAL CHANNEL STABILIZATION

DETENTION STORAGE AND SEDIMENT MANAGEMENT AREA

GATEWAY ROAD IMPROVEMENTS

Map labels include: JUNIPER WAY LOOP, SUSAN G. BRETAG TRAIL, DAKOTA TRAIL, RELOCATED DAKOTA TRAIL, SEDIMENT CONTROL BERM, GRO DRO, PORTION OF TRAIL TO BE REMOVED, APPROXIMATE LIMIT OF DISTURBANCE, TYPICAL SECTION #4 (GATEWAY ROAD NEAR CAMP CREEK CROSSING), RELOCATED GATEWAY TRAIL, GATEWAY ROAD, CHAMBERS TRAIL, UTE TRAIL, VALLEY RES. TRAIL, GALLOWAY HOMESTEAD TRAIL, ROCK LEDGE RANCH, PORTION OF FOOTHILLS TRAIL TO BE REMOVED, CAMP CREEK, FOOTHILLS TRAIL, EXISTING CHAPEL TO REMAIN IN PLACE, 30TH STREET, NEW PEDESTRIAN BRIDGE, NEW BRIDGE, GARDEN OF THE GODS VISITOR CENTER, RELOCATED FOOTHILLS TRAIL, DETENTION POND AND SEDIMENT BASIN, RELOCATED FOOTHILLS TRAIL, MESA ROAD, SEDIMENT MAN, FOOTHILLS TRAIL.

Garden of the Gods Plan Elements

Detention Pond/Sediment Management Area



Garden of the Gods Plan Elements

Northern Garden of the Gods Large Detention Area



Before

Garden of the Gods Plan Elements

Northern Garden of the Gods Large Detention Area



After

Garden of the Gods Plan Elements

Northern Garden of the Gods Large Detention Area



Before

Garden of the Gods Plan Elements

Northern Garden of the Gods Large Detention Area



After

Garden of the Gods Plan Elements

Northern Garden of the Gods Large Detention Area



Before

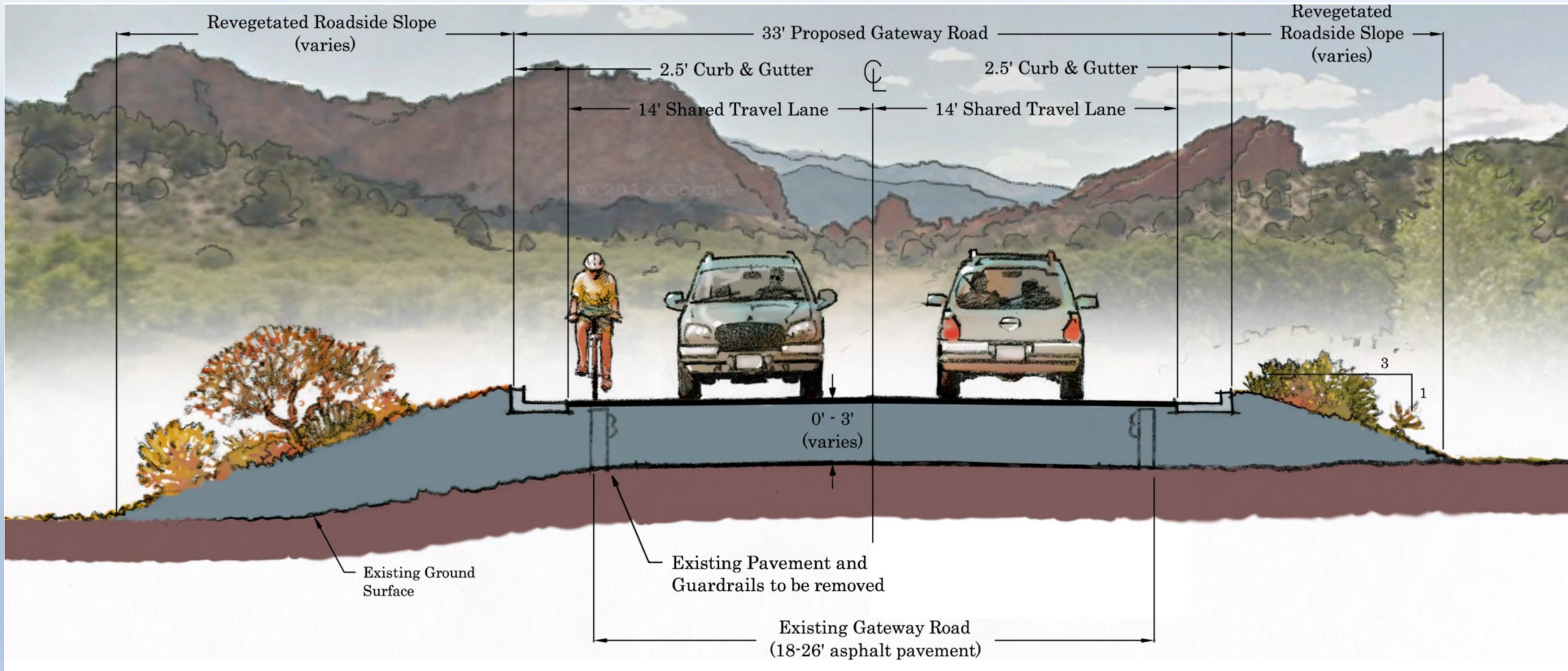
Garden of the Gods Plan Elements

Northern Garden of the Gods Large Detention Area



After

Gateway Road Improvements



Gateway Road Improvements



Before

Gateway Road Improvements



After

Gateway Road Improvements



Before

Gateway Road Improvements



After

Natural Channel Stabilization

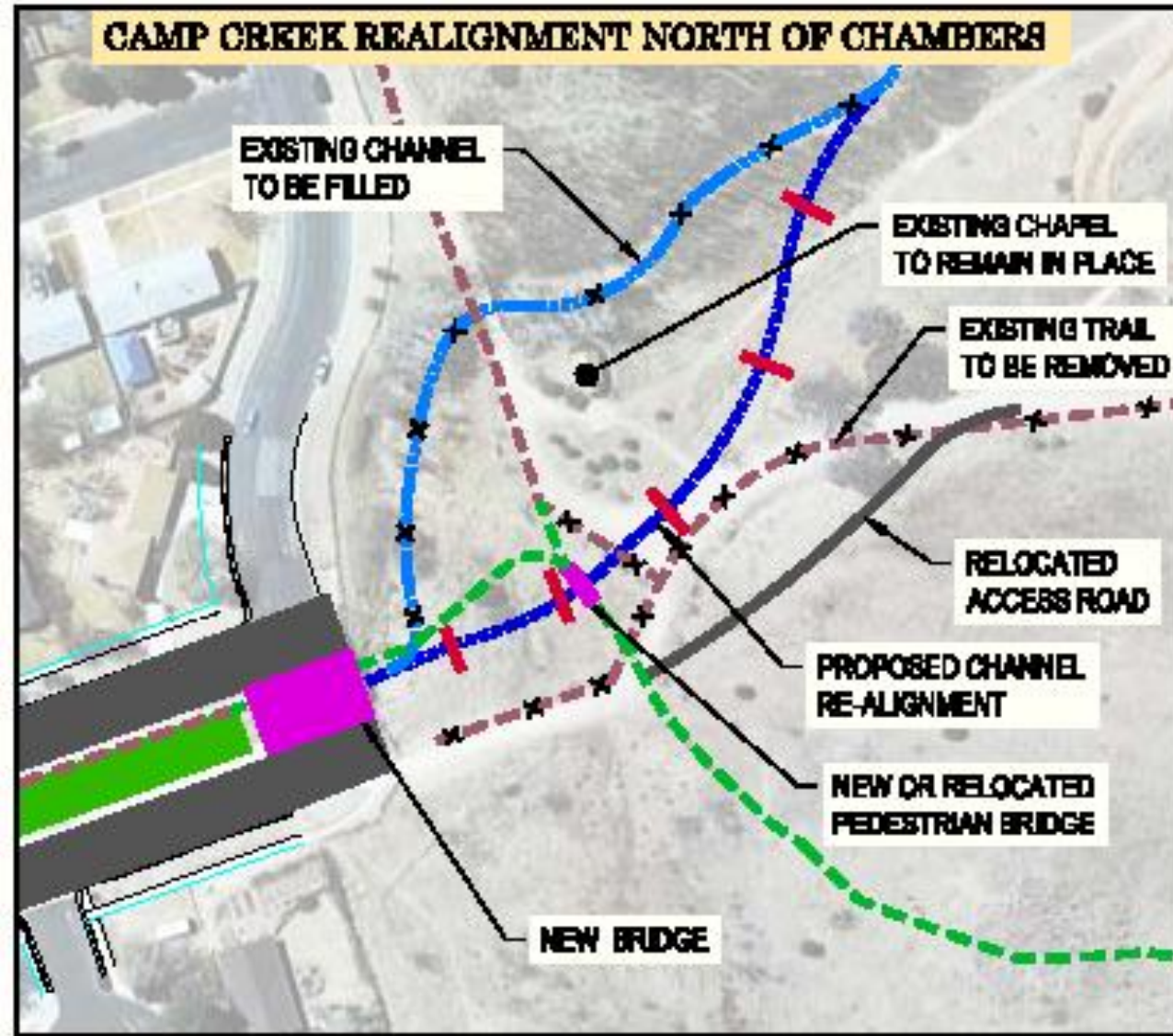


Before



After

Creek Realignment at the South End of Rock Ledge Ranch



31st Street Channel Project Elements

Some things we learned from community input :

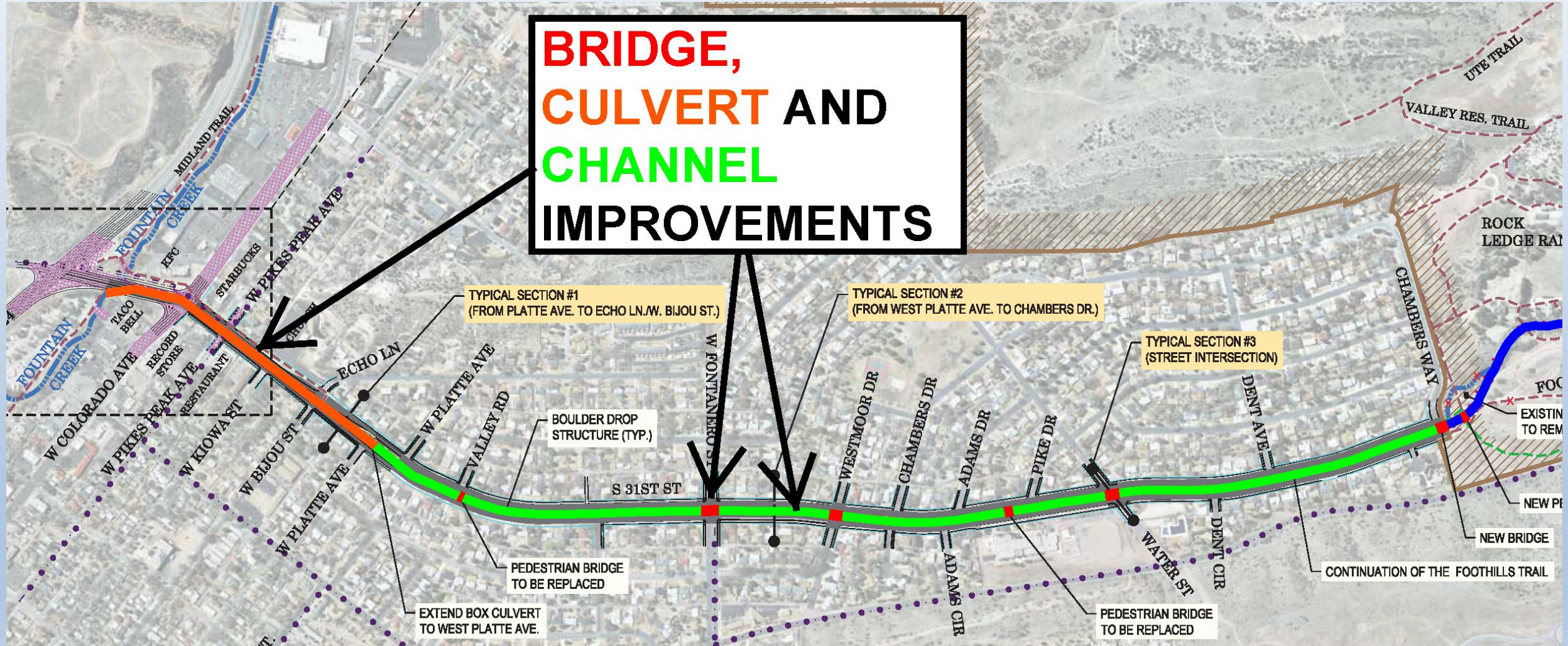
- Camp Creek, “the ditch” is viewed as an asset to the community
- Safety of children and wildlife is a priority
- Neighborhood aesthetics are important
- Naturalistic versus concrete linings are preferred
- Walls and guardrails above street level are not desirable

31st Street Channel Project Elements

Some things we learned from community input :

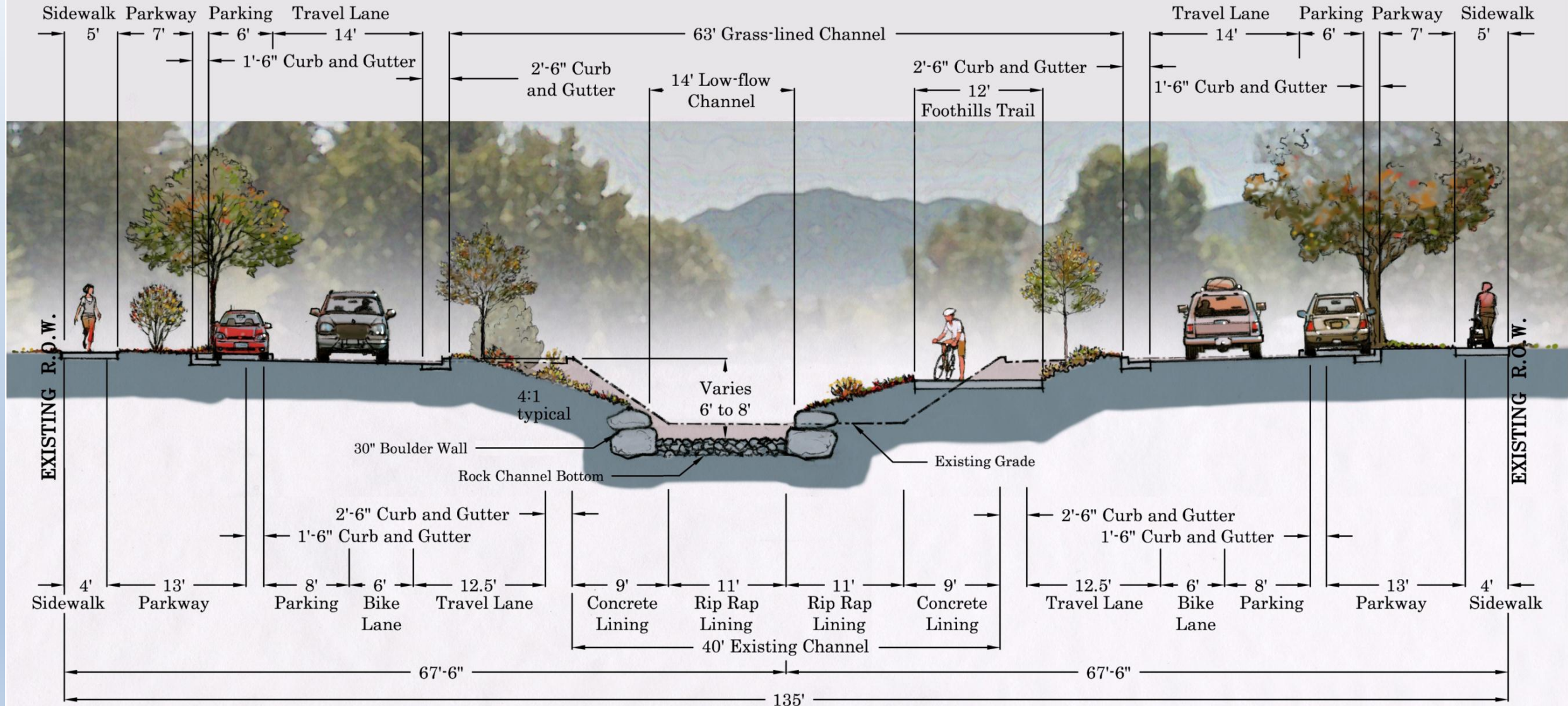
- Trees and on-street parking along 31st Street are valued
- Traffic and noise are of concern to 31st Street property owners
- Reduction in the size of the FEMA regulatory floodplain is important
- An off-street trail in the 31st Street corridor is desirable

31st Street Channel



31st Street Channel

Proposed



Existing

31st Street Channel



Before

31st Street Channel

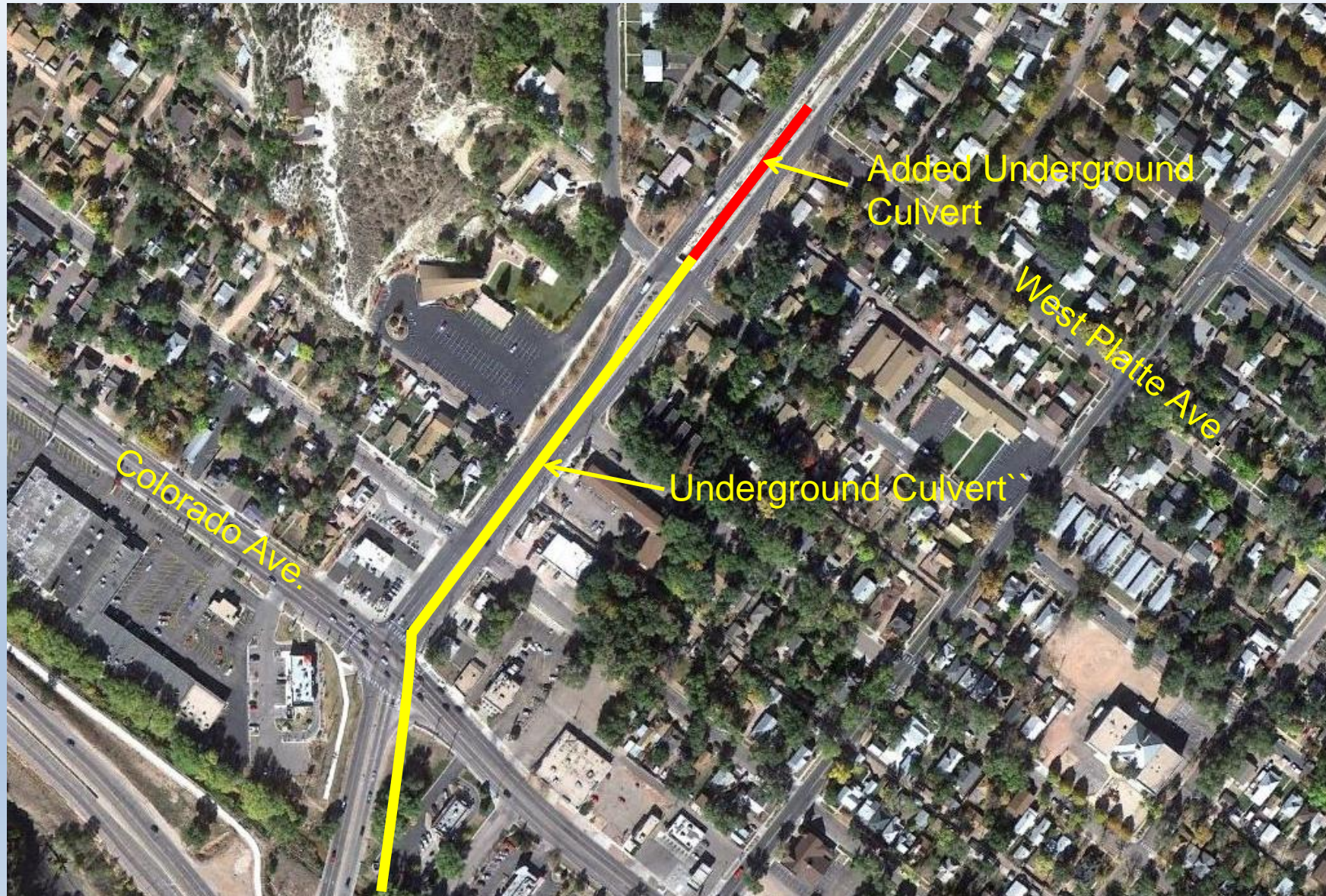


After

31st Street Bridge Improvements



Extension of Underground Culvert



Extension of Underground Culvert



Anticipated FEMA Floodplain Revision Steps

- ❖ Letter of Map Revision (LOMR) based on revised hydrology
- ❖ Conditional Letter of Map Revision (CLOMR) to construct detention
- ❖ LOMR to reflect the effect of detention
- ❖ LOMR to reflect the effect of 31st Street Improvements

Preliminary Noise Investigation

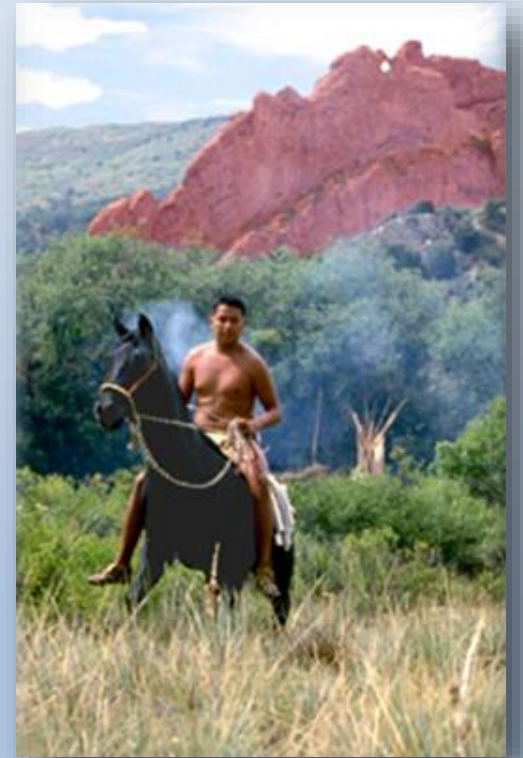
- ❖ Our preliminary analysis indicates that the increase in noise levels due to the proposed project will be barely perceptible.
- ❖ On each side of the street the nearby traffic lanes will be moved closer to houses while the traffic lanes on the other side of the street will be moved further away
- ❖ The grass and small shrub lined side slopes in the widened median/channel area will help to dampen noise in the corridor.

Plan Implementation

- ✓ Cultural resources assessment
- ✓ Begin Design of Improvements
- ✓ Begin work on Initial FEMA Floodplain Revisions
- ✓ Identify potential funding sources
- ✓ Confirm phasing plan

Cultural Resources Assessment

- City's goal is to respect and avoid impacting cultural resources in the project area
- Cultural resources are:
 - archaeological materials
 - historic sites
 - architectural features
 - landscapes
 - traditional cultural places
- The City has hired a firm to conduct the assessment; report due in a couple of months
- Assessment is required to receive federal funding for the project



Potential Funding Sources

Potential Sources of Construction Funding

- City General Fund
- FEMA grant
- National Resource Conservation Service grant
- Grant(s) from other sources
- Potential sale of bonds
- Potential storm water fee

Potential Sources of Maintenance Funding

- City General Fund
- Potential storm water fee
- Private sector sponsorship



Preliminary Phasing Plan

Plan Elements	Detailed Design	Construction
Initial FEMA floodplain revisions along Camp Creek	2014-2015	N.A.
North Garden of the Gods detention pond	2014-2015	2015-2016
Creek stabilization in the Garden of the Gods	2014-2015	2016-2017
Gateway Road and culvert improvements	2014-2015	2016-2017
31 st Street, Bijou to Fontanero	2014-2015	2017-2018
31 st Street, Fontanero to Water Street bridge	2014-2015	2018-2019
31 st Street Water Street to Rock Ledge Ranch	2014-2015	2019-2020
Final FEMA floodplain revision along 31 st Street	2021-2022	N.A.
Culvert improvements, Bijou to Fountain Creek	2014-2015	2020-2021

Next Steps

- ✓ Review results from tonight
- ✓ Communicate results to the community
- ✓ Complete cultural resources assessment
- ✓ Get Initial FEMA map revision underway
- ✓ Get construction designs underway
- ✓ Pursue multiple funding sources



Questions and Comments